of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 21:42:38 ON 05 MAR 2006

=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 21:42:55 ON 05 MAR 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 5 Mar 2006 VOL 144 ISS 11
FILE LAST UPDATED: 3 Mar 2006 (20060303/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html

=> s us 2004-0171572/pn
L1 1 US 2004-0171572/PN
(US2004171572/PN)

=> se lrn
SE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> s us 2004-0171572/pn
L2 1 US 2004-0171572/PN
(US2004171572/PN)

=> sel rn
E1 THROUGH E30 ASSIGNED

=> file reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.44	4.65

FILE 'REGISTRY' ENTERED AT 21:43:21 ON 05 MAR 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptamxg1614

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	DEC 05	CASREACT(R) - Over 10 million reactions available
NEWS 4	DEC 14	2006 MeSH terms loaded in MEDLINE/LMEDLINE
NEWS 5	DEC 14	2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER
NEWS 6	DEC 14	CA/CAplus to be enhanced with updated IPC codes
NEWS 7	DEC 21	IPC search and display fields enhanced in CA/CAplus with the IPC reform
NEWS 8	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/ USPAT2
NEWS 9	JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 10	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS 11	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS 12	JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS 13	JAN 30	Saved answer limit increased
NEWS 14	JAN 31	Monthly current-awareness alert (SDI) frequency added to TULSA
NEWS 15	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS 16	FEB 22	Status of current WO (PCT) information on STN
NEWS 17	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS 18	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS 19	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 20	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS 21	FEB 28	TOXCENTER reloaded with enhancements
NEWS 22	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS 23	MAR 01	INSPEC reloaded and enhanced
NEWS 24	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
http://download.cas.org/express/v8.0-Discover/

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

STRUCTURE FILE UPDATES: 3 MAR 2006 HIGHEST RN 875814-08-7
DICTIONARY FILE UPDATES: 3 MAR 2006 HIGHEST RN 875814-08-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

```
**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information.  *
*                                                                    *
**********************************************************************
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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=> s e1-e30
             1 10332-17-9/BI
               (10332-17-9/RN)
             1 107-10-8/BI
               (107-10-8/RN)
             1 111333-96-1/BI
               (111333-96-1/RN)
             1 153312-60-8/BI
               (153312-60-8/RN)
             1 153312-64-2/BI
               (153312-64-2/RN)
             1 153312-65-3/BI
               (153312-65-3/RN)
             1 191980-70-8/BI
               (191980-70-8/RN)
             1 191980-72-0/BI
               (191980-72-0/RN)
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               (191980-74-2/RN)
             1 191980-76-4/BI
               (191980-76-4/RN)
             1 191980-77-5/BI
               (191980-77-5/RN)
             1 191980-78-6/BI
               (191980-78-6/RN)
             1 191980-79-7/BI
               (191980-79-7/RN)
             1 191980-83-3/BI
               (191980-83-3/RN)
             1 191981-18-7/BI
               (191981-18-7/RN)
             1 50903-99-6/BI
               (50903-99-6/RN)
             1 54793-75-8/BI
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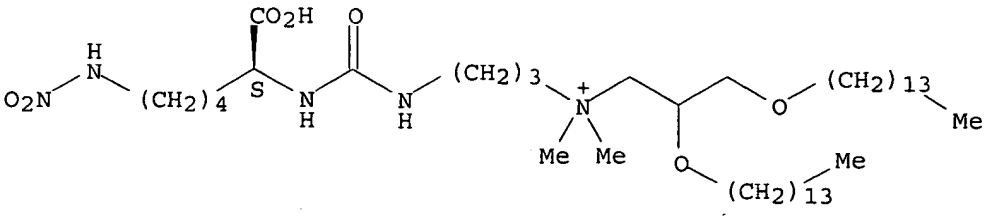
1 638195-64-9/BI
(638195-64-9/RN)

L3 30 (10332-17-9/BI OR 107-10-8/BI OR 111333-96-1/BI OR 153312-60-8/BI OR 153312-64-2/BI OR 153312-65-3/BI OR 191980-70-8/BI OR 191980-72-0/BI OR 191980-74-2/BI OR 191980-76-4/BI OR 191980-77-5/BI OR 191980-78-6/BI OR 191980-79-7/BI OR 191980-83-3/BI OR 191981-18-7/BI OR 50903-99-6/BI OR 54793-75-8/BI OR 638195-45-6/BI OR 638195-46-7/BI OR 638195-47-8/BI OR 638195-48-9/BI OR 638195-49-0/BI OR 638195-50-3/BI OR 638195-51-4/BI OR 638195-52-5/BI OR 638195-53-6/BI OR 638195-56-9/BI OR 638195-58-1/BI OR 638195-61-6/BI OR 638195-64-9/BI)

=> d 1-30

L3 ANSWER 1 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-64-9** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N-[3-[[[[(1S)-1-carboxy-5-(nitroamino)pentyl]amino]carbonyl]amino]propyl]-N,N-dimethyl-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C43 H88 N5 O7
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

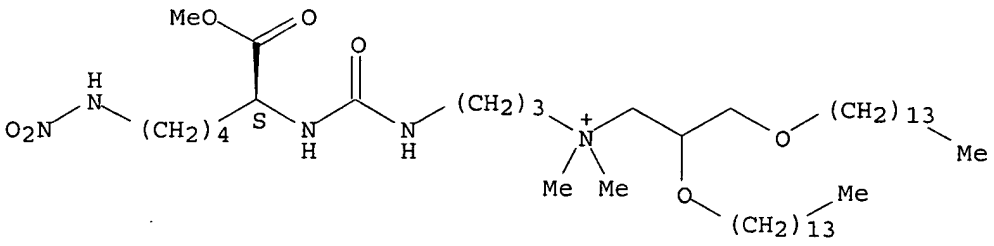


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-61-6** REGISTRY

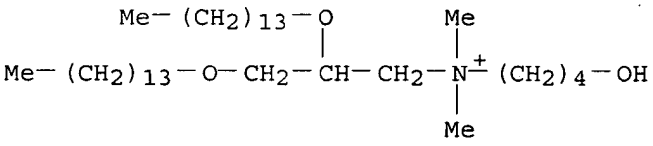
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N-[3-[[[[(1S)-1-(methoxycarbonyl)-5-(nitroamino)pentyl]amino]carbonyl]amino]propyl]-N,N-dimethyl-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C44 H90 N5 O7
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



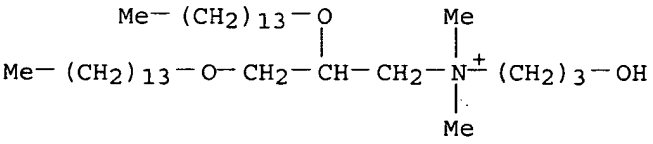
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-58-1** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Butanaminium, N-[2,3-bis(tetradecyloxy)propyl]-4-hydroxy-N,N-dimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H78 N O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



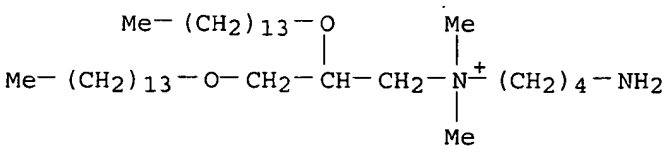
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-56-9** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N-(3-hydroxypropyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C36 H76 N O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



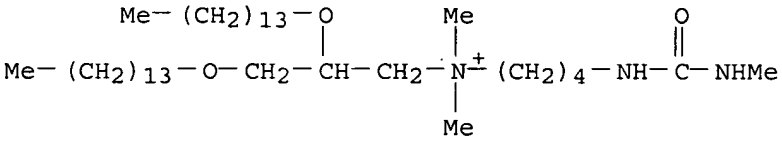
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-53-6** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Butanaminium, 4-amino-N-[2,3-bis(tetradecyloxy)propyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H79 N2 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



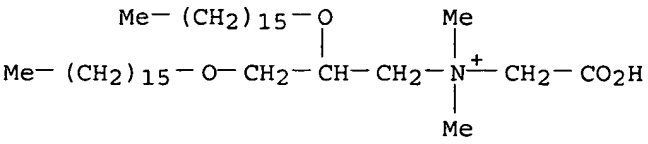
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-52-5** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Butanaminium, N-[2,3-bis(tetradecyloxy)propyl]-N,N-dimethyl-4-[[(methylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C39 H82 N3 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

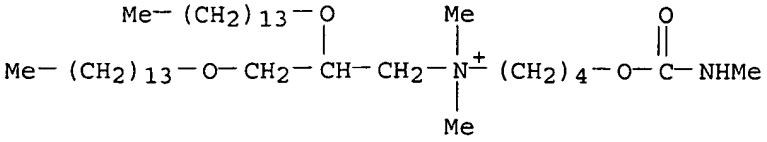
L3 ANSWER 7 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-51-4** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N-(carboxymethyl)-2,3-bis(hexadecyloxy)-N,N-dimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C39 H80 N O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

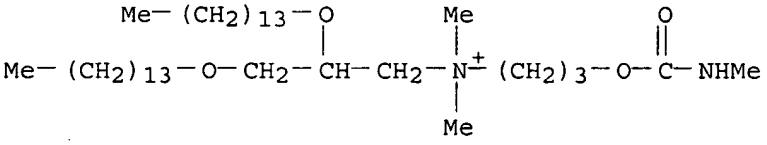
L3 ANSWER 8 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN

RN 638195-50-3 REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Butanaminium, N-[2,3-bis(tetradecyloxy)propyl]-N,N-dimethyl-4-[[(methylamino)carbonyl]oxy]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C39 H81 N2 O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

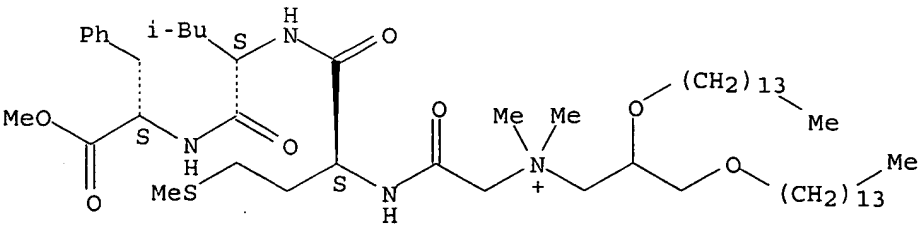
L3 ANSWER 9 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN 638195-49-0 REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N,N-dimethyl-N-[3-[[(methylamino)carbonyl]oxy]propyl]-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C38 H79 N2 O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 10 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN 638195-48-9 REGISTRY
ED Entered STN: 16 Jan 2004
CN L-Phenylalanine, N-[[[2,3-bis(tetradecyloxy)propyl]dimethylammonio]acetyl]-L-methionyl-L-leucyl-, methyl ester (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H103 N4 O7 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

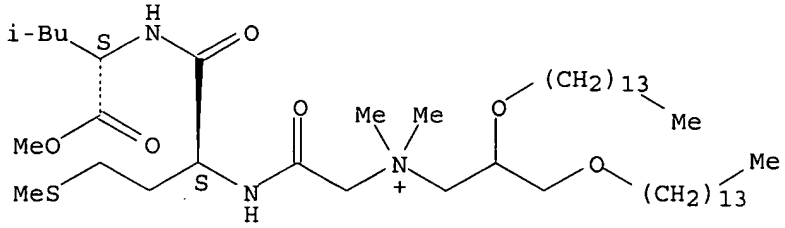
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 11 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-47-8** REGISTRY
ED Entered STN: 16 Jan 2004
CN L-Leucine, N-[[[2,3-bis(tetradecyloxy)propyl]dimethylammonio]acetyl]-L-methionyl-, methyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C47 H94 N3 O6 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

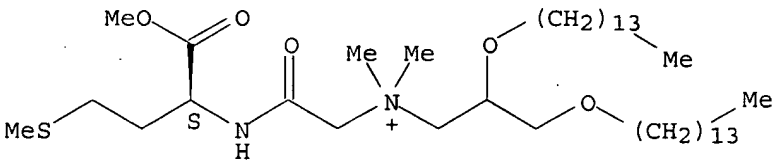
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 12 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-46-7** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N-[2-[[(1S)-1-(methoxycarbonyl)-3-(methylthio)propyl]amino]-2-oxoethyl]-N,N-dimethyl-2,3-bis(tetradecyloxy)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C41 H83 N2 O5 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

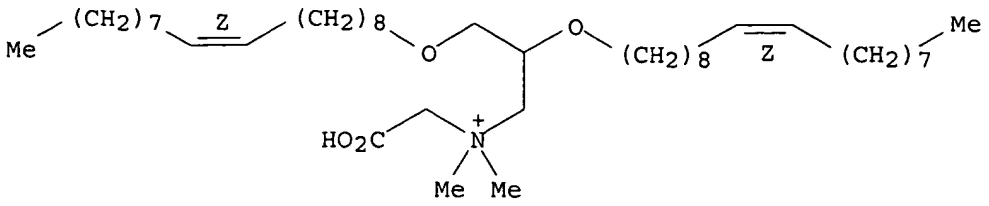
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

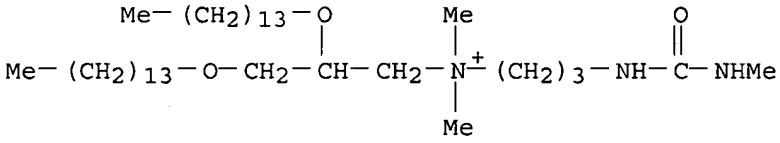
L3 ANSWER 13 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-45-6** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N-(carboxymethyl)-N,N-dimethyl-2,3-bis[(9Z)-9-octadecenyloxy]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C43 H84 N O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Double bond geometry as shown.



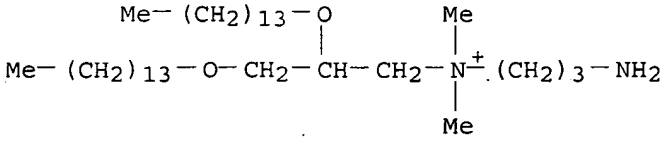
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 14 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191981-18-7** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N,N-dimethyl-N-[3-[[(methylamino)carbonyl]amino]propyl]-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C38 H80 N3 O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

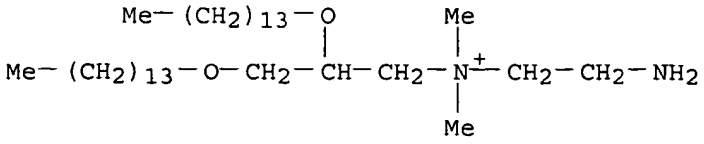
L3 ANSWER 15 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-83-3** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N-(3-aminopropyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C36 H77 N2 O2
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 16 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-79-7** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N-(2-aminoethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C35 H75 N2 O2
CI COM

SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

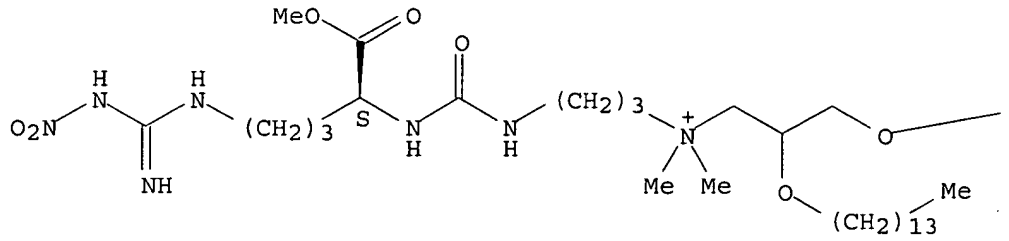


2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

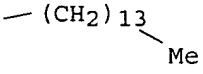
L3 ANSWER 17 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-78-6** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N-[3-[[[[(1S)-4-[[imino(nitroamino)methyl]amino]-1-(methoxycarbonyl)butyl]amino]carbonyl]amino]propyl]-N,N-dimethyl-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Propanaminium, N-[3-[[[[4-[[imino(nitroamino)methyl]amino]-1-(methoxycarbonyl)butyl]amino]carbonyl]amino]propyl]-N,N-dimethyl-2,3-bis(tetradecyloxy)-, (1S)-
FS STEREOSEARCH
MF C44 H90 N7 O7
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

PAGE 1-A

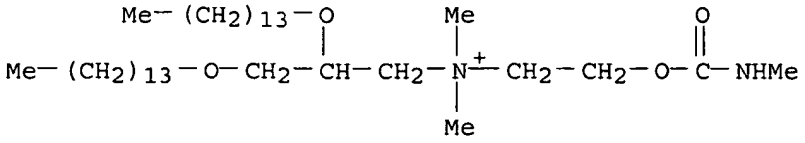


PAGE 1-B



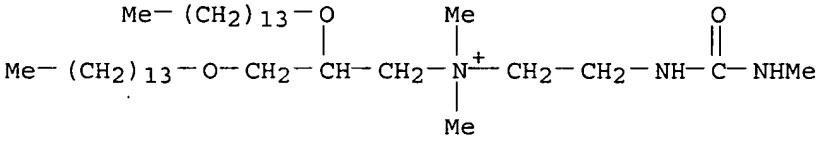
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 18 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-77-5** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N,N-dimethyl-N-[2-[[(methylamino)carbonyl]oxy]ethyl]-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H77 N2 O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



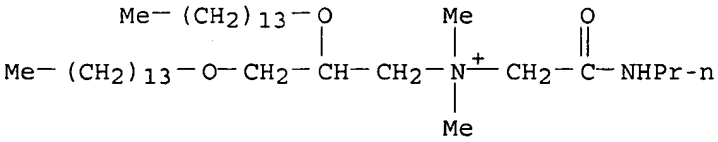
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 19 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-76-4** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N,N-dimethyl-N-[2-[[(methylamino)carbonyl]amino]ethyl]-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H78 N3 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



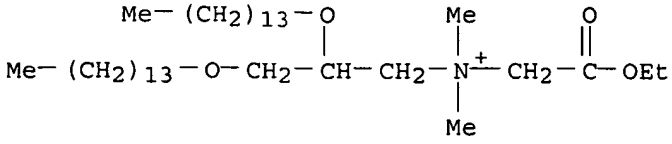
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 20 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-74-2** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N,N-dimethyl-N-[2-oxo-2-(propylamino)ethyl]-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C38 H79 N2 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



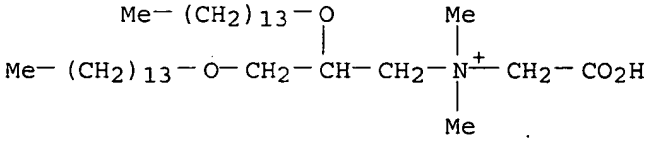
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 21 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-72-0** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N-(2-ethoxy-2-oxoethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H76 N O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



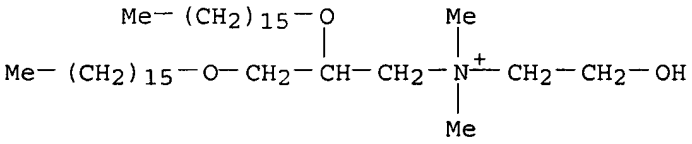
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 22 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-70-8** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N-(carboxymethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C35 H72 N O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

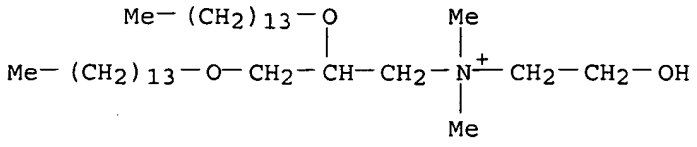
L3 ANSWER 23 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **153312-65-3** REGISTRY
ED Entered STN: 25 Feb 1994
CN 1-Propanaminium, 2,3-bis(hexadecyloxy)-N-(2-hydroxyethyl)-N,N-dimethyl-, bromide (9CI) (CA INDEX NAME)
MF C39 H82 N O3 . Br
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (153985-20-7)



3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 24 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **153312-64-2** REGISTRY
ED Entered STN: 25 Feb 1994
CN 1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-, bromide (9CI) (CA INDEX NAME)
OTHER NAMES:
CN DMRIE
CN N-[1-(2,3-Ditetradecyloxy)propyl]-N,N-dimethyl-N-hydroxyethylammonium bromide

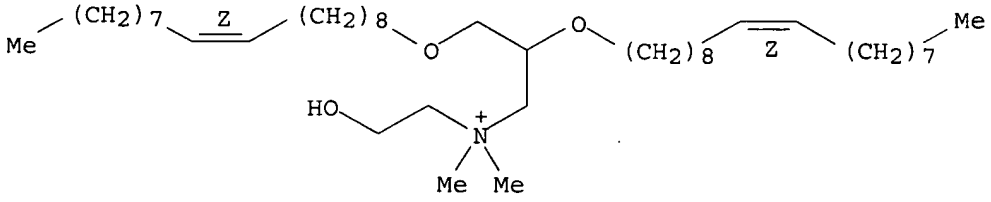
DR 146659-77-0
MF C35 H74 N O3 . Br
CI COM
SR CA
LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, IPA, MEDLINE, TOXCENTER, USPAT2, USPATFULL
CRN (191980-81-1)



143 REFERENCES IN FILE CA (1907 TO DATE)
7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
143 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 25 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **153312-60-8** REGISTRY
ED Entered STN: 25 Feb 1994
CN 1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-2,3-bis[(9Z)-9-octadecenyloxy]-, bromide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-2,3-bis(9-octadecenyloxy)-, bromide, (Z,Z)-
OTHER NAMES:
CN DORIE
FS STEREOSEARCH
MF C43 H86 N O3 . Br
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (153985-18-3)

Double bond geometry as shown.

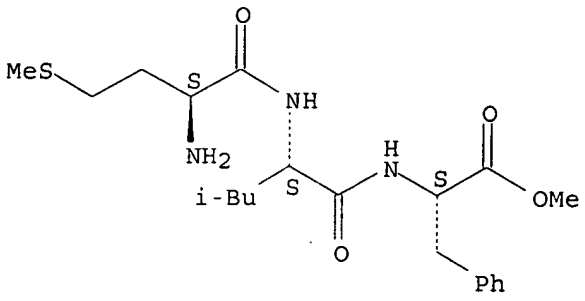


9 REFERENCES IN FILE CA (1907 TO DATE)
9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 26 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **111333-96-1** REGISTRY
ED Entered STN: 14 Nov 1987
CN L-Phenylalanine, L-methionyl-L-leucyl-, methyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN L-Phenylalanine, N-(N-L-methionyl-L-leucyl)-, methyl ester

FS STEREOSEARCH
MF C21 H33 N3 O4 S
CI COM
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.

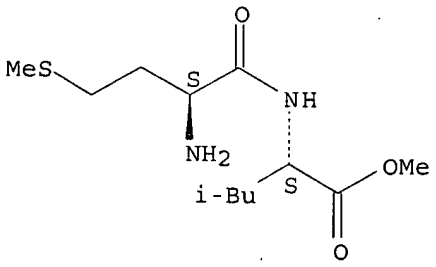


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 27 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **54793-75-8** REGISTRY
ED Entered STN: 16 Nov 1984
CN L-Leucine, L-methionyl-, methyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN L-Leucine, N-L-methionyl-, methyl ester
FS STEREOSEARCH
MF C12 H24 N2 O3 S
CI COM
LC STN Files: BEILSTEIN*, CA, CAPLUS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



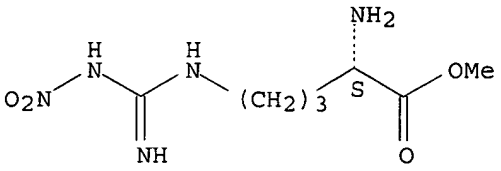
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 28 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **50903-99-6** REGISTRY
ED Entered STN: 16 Nov 1984
CN L-Ornithine, N5-[imino(nitroamino)methyl]-, methyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN L-NAME

CN L-NAME
CN N-Nitro-L-arginine methyl ester
CN Nω-Nitro-L-arginine methyl ester
CN Nω-Nitro-L-arginine methyl ester
CN NAME
CN NG-Nitro-L-arginine Me ester
CN NG-Nitro-L-arginine methyl ester
FS STEREOSEARCH
DR 162715-84-6, 126265-24-5, 189639-12-1
MF C7 H15 N5 O4
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CHEMCATS, CIN, DIOGENES, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, PROMT, PROUSDDR, RTECS*, SCISEARCH, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.

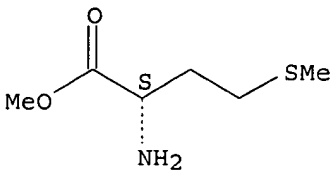


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1916 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1921 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 29 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **10332-17-9** REGISTRY
ED Entered STN: 16 Nov 1984
CN L-Methionine, methyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Methionine, methyl ester, L- (6CI, 7CI, 8CI)
OTHER NAMES:
CN (+)-L-Methionine methyl ester
CN L-Methionine O-methyl ester
CN Methionine methyl ester
CN Methyl L-methioninate
CN Methyl methioninate
CN O-Methyl-L-methionine
FS STEREOSEARCH
DR 10331-68-7, 44898-04-6
MF C6 H13 N O2 S
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, DDFU, DRUGU, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

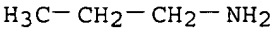
Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

369 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
373 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 30 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **107-10-8** REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propanamine (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Propylamine (8CI)
OTHER NAMES:
CN 1-Aminopropane
CN 1-Propylamine
CN Mono-n-propylamine
CN Monopropylamine
CN n-Propylamine
CN NSC 7490
CN Propan-1-ylamine
FS 3D CONCORD
DR 42939-71-9
MF C3 H9 N
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8806 REFERENCES IN FILE CA (1907 TO DATE)
534 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
8817 REFERENCES IN FILE CAPLUS (1907 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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1 107-10-8/BI
(107-10-8/RN)
1 111333-96-1/BI

(111333-96-1/RN)
1 153312-60-8/BI
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(153312-65-3/RN)
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(638195-64-9/RN)

L4 30 (10332-17-9/BI OR 107-10-8/BI OR 111333-96-1/BI OR 153312-60-8/BI OR 153312-64-2/BI OR 153312-65-3/BI OR 191980-70-8/BI OR 191980-72-0/BI OR 191980-74-2/BI OR 191980-76-4/BI OR 191980-77-5/BI OR 191980-78-6/BI OR 191980-79-7/BI OR 191980-83-3/BI OR 191981-18-7/BI OR 50903-99-6/BI OR 54793-75-8/BI OR 638195-45-6/BI OR 638195-46-7/BI OR 638195-47-8/BI OR 638195-48-9/BI OR 638195-49-0/BI OR 638195-50-3/BI OR 638195-51-4/BI OR 638195-52-5/BI OR 638195-53-6/BI OR 638195-56-9/BI OR 638195-58-1/BI OR 638195-61-6/BI OR 638195-64-9/BI)

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=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        57.44      62.09

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FILE LAST UPDATED: 3 Mar 2006  (20060303/ED)

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=> s l4
L5       11248 L4

=> s 638195-45-6/rn
             1 638195-45-6
             0 638195-45-6D
L6           1 638195-45-6/RN
                 (638195-45-6 (NOTL) 638195-45-6D )

=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         4.82      66.91

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STRUCTURE FILE UPDATES:     3 MAR 2006  HIGHEST RN 875814-08-7
DICTIONARY FILE UPDATES:    3 MAR 2006  HIGHEST RN 875814-08-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

*************************************************************
*                                                           *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
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```
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                   *
*********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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L7            1 638195-45-6/RN

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.44      67.35

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FILE COVERS 1907 - 5 Mar 2006  VOL 144 ISS 11
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=> s 638195-45-6/rn
             1 638195-45-6
             0 638195-45-6D
L8           1 638195-45-6/RN
                 (638195-45-6 (NOTL) 638195-45-6D )

=> d

L8   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2003:1013127  CAPLUS
DN   140:65157
TI   Complex cationic lipids having quaternary nitrogens therein
IN   Wheeler, Carl J.
PA   Vical Incorporated, USA
SO   U.S., 36 pp., Cont.-in-part of U.S. Ser. No. 565,756, abandoned.
     CODEN: USXXAM
DT   Patent
LA   English
```

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FAN.CNT 2
     PATENT NO.            KIND   DATE        APPLICATION NO.          DATE
     ---------------       ----   --------    --------------------     --------
PI   US 6670332             B1    20031230    US 1998-92486            19980605
     CA 2237316             AA    19970605    CA 1996-2237316          19961127
     US 2004171572          A1    20040902    US 2003-748853           20031230
PRAI US 1995-565756         B2    19951130
     US 1998-92486          A3    19980605
OS   MARPAT 140:65157
RE.CNT  27    THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


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COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       5.50      72.85

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=> s l4
L9        11248 L4

=> s l9 and cancer
          271563 CANCER
L10          130 L9 AND CANCER

=> s l9 (L) cancer
          271563 CANCER
L11           31 L9 (L) CANCER

=> d 20-31

L11  ANSWER 20 OF 31  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   1999:511053  CAPLUS
DN   131:161615
TI   Systemic delivery of serum stable plasmid lipid particles for cancer
     therapy
IN   Maclachlan, Ian; Graham, Roger
PA   Inex Pharmaceuticals Corporation, Can.
SO   PCT Int. Appl., 66 pp.
     CODEN: PIXXD2
DT   Patent
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LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9939741	A2	19990812	WO 1999-CA90	19990203
	WO 9939741	A3	19990930		
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2321837	AA	19990812	CA 1999-2321837	19990203
	AU 9924057	A1	19990823	AU 1999-24057	19990203
	AU 749881	B2	20020704		
	EP 1053023	A2	20001122	EP 1999-903557	19990203
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002502831	T2	20020129	JP 2000-530238	19990203
	US 2005118253	A1	20050602	US 2004-954858	20040929
PRAI	US 1998-73598P	P	19980203		
	US 1998-86917P	P	19980527		
	US 1998-101429P	P	19980922		
	US 1998-112384P	P	19981214		
	US 1999-243102	A	19990202		
	WO 1999-CA90	W	19990203		

L11 ANSWER 21 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1999:355754 CAPLUS
DN 131:18016
TI Treatment of cancer using cytokine-expressing polynucleotides and compositions therefor
IN Horton, Holly; Parker, Suezanne; Manthorpe, Marston; Felgner, Philip
PA Vical, Inc., USA
SO PCT Int. Appl., 188 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9926663	A2	19990603	WO 1998-US24830	19981120
	WO 9926663	A3	20000106		
	W: CA, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2309766	AA	19990603	CA 1998-2309766	19981120
	EP 1032428	A2	20000906	EP 1998-960333	19981120
	EP 1032428	B1	20030618		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2001523480	T2	20011127	JP 2000-521864	19981120
	AT 243045	E	20030715	AT 1998-960333	19981120
	EP 1442750	A1	20040804	EP 2003-12772	19981120
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
PRAI	US 1997-67087P	P	19971120		
	US 1998-79914P	P	19980330		
	US 1998-100820P	P	19980915		
	EP 1998-960333	A3	19981120		
	WO 1998-US24830	W	19981120		

L11 ANSWER 22 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1998:118628 CAPLUS
DN 128:167421
TI Preparation of substituted imidazoles having anti-cancer and cytokine inhibitory activity
IN Selnick, Harold G.; Claremon, David A.; Liverton, Nigel J.
PA Merck and Co., Inc., USA
SO U.S., 51 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5717100	A	19980210	US 1996-717955	19960923
	US 6083949	A	20000704	US 1998-13527	19980126
PRAI	US 1995-5059P	P	19951006		
	US 1995-5063P	P	19951006		
	US 1996-717955	A2	19960923		

OS MARPAT 128:167421
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 23 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1998:15295 CAPLUS
DN 128:175861
TI ZR-75-1 human breast cancer cells: expression of inducible nitric oxide synthase and effect of tamoxifen and phorbol ester on nitric oxide production
AU Alalami, O.; Martin, J. H. J.
CS School of Health Sciences, Division of Biomedical Sciences, University of Wolverhampton, Wolverhampton, WV1 1DJ, UK
SO Cancer Letters (Shannon, Ireland) (1998), 123(1), 99-105
CODEN: CALEDQ; ISSN: 0304-3835
PB Elsevier Science Ireland Ltd.
DT Journal
LA English
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 24 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1997:669279 CAPLUS
DN 127:326078
TI NG-nitro-L-arginine methyl ester inhibits bone metastasis after modified intracardiac injection of human breast cancer cells in a nude mouse model
AU Iwasaki, Teruo; Higashiyama, Masahiko; Kuriyama, Keiko; Sasaki, Akira; Mukai, Mutsuko; Shinkai, Kiyoko; Horai, Takeshi; Matsuda, Hikaru; Akedo, Hitoshi
CS Department of Tumor Biochemistry, Osaka Medical Center for Cancer and Cardiovascular Diseases (formerly The Center for Adult Diseases, Osaka), Osaka, 537, Japan
SO Japanese Journal of Cancer Research (1997), 88(9), 861-866
CODEN: JJCREP; ISSN: 0910-5050
PB Japanese Cancer Association
DT Journal
LA English
RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 25 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1997:351075 CAPLUS
DN 126:317379
TI Substituted imidazoles having anti-cancer and cytokine inhibitory activity
IN Selnick, Harold G.; Claremon, David A.; Liverton, Nigel J.
PA Merck and Co. Inc., USA; Selnick, Harold G.; Claremon, David A.; Liverton,

Nigel J.
SO PCT Int. Appl., 137 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9712876	A1	19970410	WO 1996-US15880	19961002
	W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2234066	AA	19970410	CA 1996-2234066	19961002
	CA 2234066	C	20051213		
	AU 9675143	A1	19970428	AU 1996-75143	19961002
	AU 702146	B2	19990211		
	EP 854870	A1	19980729	EP 1996-937654	19961002
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	CN 1203590	A	19981230	CN 1996-198718	19961002
	CN 1117082	B	20030806		
	JP 11514353	T2	19991207	JP 1996-514428	19961002
	IL 123950	A1	20010430	IL 1996-123950	19961002
	SK 282496	B6	20020205	SK 1998-435	19961002
	EE 3681	B1	20020415	EE 1998-83	19961002
	PL 184819	B1	20021231	PL 1996-326025	19961002
	JP 3382951	B2	20030304	JP 1997-514428	19961002
	CZ 292707	B6	20031112	CZ 1998-1043	19961002
	NO 9801528	A	19980605	NO 1998-1528	19980403
PRAI	US 1995-5059P	P	19951006		
	US 1995-5063P	P	19951006		
	GB 1996-2907	A	19960213		
	GB 1996-2975	A	19960213		
	WO 1996-US15880	W	19961002		

OS MARPAT 126:317379

L11 ANSWER 26 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1996:654418 CAPLUS
DN 125:338808
TI A new cationic liposome DNA complex enhances the efficiency of arterial gene transfer in vivo
AU Stephan, Dominique J.; Yang, Zhi-Yong; San, Hong; Simari, Robert D.; Wheeler, Carl J.; Felgner, Philip L.; Gordon, David; Nabel, Gary J.; Nabel, Elizabeth G.
CS Department Internal Medicine, University Michigan, Ann Arbor, MI, 48109-0644, USA
SO Human Gene Therapy (1996), 7(15), 1803-1812
CODEN: HGTHE3; ISSN: 1043-0342
PB Liebert
DT Journal
LA English

L11 ANSWER 27 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1995:645758 CAPLUS
DN 123:102145
TI Cancer gene therapy using plasmid DNA: safety evaluation in rodents and non-human primates
AU Parker, Suezanne E.; Vahlsing, H. Lee; Serfilippi, Laurie M.; Franklin, Craig L.; Doh, Soeun G.; Gromkowski, Stanislaw H.; Lew, Denise; Manthorpe, Marston; Norman, Jon
CS Vical Inc., San Diego, CA, 92121, USA
SO Human Gene Therapy (1995), 6(5), 575-90
CODEN: HGTHE3; ISSN: 1043-0342

DT Journal
LA English

L11 ANSWER 28 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1995:354446 CAPLUS
DN 122:133867
TI Preparation of peptide derivatives as cancer metastasis inhibitors
IN Mori, Hideto; Komazawa, Hiroyuki; Kojima, Masayoshi; Saiki, Ikuo; Azuma, Ichiro
PA Fuji Photo Film Co Ltd, Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 06321987	A2	19941122	JP 1993-111717	19930513
PRAI JP 1993-111717		19930513		

OS MARPAT 122:133867

L11 ANSWER 29 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1992:549670 CAPLUS
DN 117:149670
TI Increased exposure to dietary amines and nitrate in a population at high risk of esophageal and gastric cancer in Kashmir (India)
AU Siddiqi, Maqsood; Kumar, Rajiv; Fazili, Zia; Spiegelhalder, Bertold; Preussmann, Rudolf
CS Dep. Biochem., Univ. Kashmir, Srinagar, India
SO Carcinogenesis (1992), 13(8), 1331-1335
CODEN: CRNGDP; ISSN: 0143-3334
DT Journal
LA English

L11 ANSWER 30 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1978:610125 CAPLUS
DN 89:210125
TI N-nitroso compounds from the reaction of primary amines with nitrite and thiocyanate
AU Tannenbaum, S. R.; Wishnok, J. S.; Hovis, J. S.; Bishop, W. W.
CS Dep. Nutr. Food Sci., Massachusetts Inst. Technol., Cambridge, MA, USA
SO IARC Scientific Publications (1978), 19(Environ. Aspects N-Nitroso Compd.), 155-9
CODEN: IARCCD; ISSN: 0300-5038
DT Journal
LA English

L11 ANSWER 31 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1978:99314 CAPLUS
DN 88:99314
TI Platinum-containing materials useful in treating malignant tumors
IN Tobe, Martin Leslie; Khokhar, Abdul Rauf; Braddock, Peter David Michael
PA Rustenburg Platinum Mines Ltd., S. Afr.
SO Ger. Offen., 21 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 2715492	A1	19771020	DE 1977-2715492	19770406
DE 2715492	C2	19890914		
GB 1585103	A	19810225	GB 1976-13888	19760406
ZA 7702020	A	19781227	ZA 1977-2020	19770404
NL 7703752	A	19771010	NL 1977-3752	19770405

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     FR 2347378           A1    19771104    FR 1977-10204          19770405
     FR 2347378           B1    19810320
     US 4119653           A     19781010    US 1977-784797         19770405
     BE 853296            A1    19770801    BE 1977-176461         19770406
     JP 52156821          A2    19771227    JP 1977-39902          19770406
     JP 63020805          B4    19880430
     CH 631431            A     19820813    CH 1977-4362           19770406
     US 4182724           A     19800108    US 1978-934990         19780818
     CH 633961            A     19830114    CH 1981-1393           19810302
PRAI GB 1976-13888        A     19760406
     US 1977-784797       A1    19770405
     CH 1977-4362         A     19770406
OS   MARPAT 88:99314


=> s l4
L12      11248 L4

=> s l12 (L) cancer
        271563 CANCER
L13          31 L12 (L) CANCER

=> d 20-31 bib abs hitstr

L13  ANSWER 20 OF 31  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   1999:511053  CAPLUS
DN   131:161615
TI   Systemic delivery of serum stable plasmid lipid particles for cancer
     therapy
IN   Maclachlan, Ian; Graham, Roger
PA   Inex Pharmaceuticals Corporation, Can.
SO   PCT Int. Appl., 66 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 2
     PATENT NO.           KIND   DATE        APPLICATION NO.        DATE
     ---------------      ----   --------    --------------------   --------
PI   WO 9939741           A2     19990812    WO 1999-CA90           19990203
     WO 9939741           A3     19990930
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,
             KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,
             MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
             TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU,
             TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2321837           AA     19990812    CA 1999-2321837        19990203
     AU 9924057           A1     19990823    AU 1999-24057          19990203
     AU 749881            B2     20020704
     EP 1053023           A2     20001122    EP 1999-903557         19990203
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI
     JP 2002502831        T2     20020129    JP 2000-530238         19990203
     US 2005118253        A1     20050602    US 2004-954858         20040929
PRAI US 1998-73598P       P      19980203
     US 1998-86917P       P      19980527
     US 1998-101429P      P      19980922
     US 1998-112384P      P      19981214
     US 1999-243102       A      19990202
     WO 1999-CA90         W      19990203
AB   The present invention relates to methods and compns. for treating
     neoplasia in a mammal and comprises administering to said mammal a
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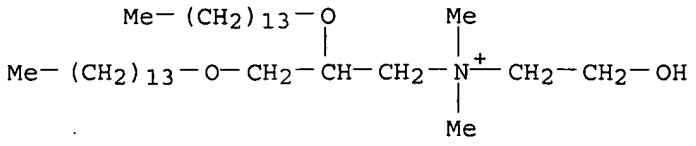
serum-stable nucleic acid-lipid particle comprising a nucleic acid portion that is fully encapsulated within the lipid portion, wherein said administration is by injection at an injection site that is distal to said neoplasia in said mammal.

IT **153312-64-2**, Dmrie
RL: PEP (Physical, engineering or chemical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(systemic delivery of serum stable plasmid lipid particles for **cancer** therapy)

RN 153312-64-2 CAPLUS

CN 1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-, bromide (9CI) (CA INDEX NAME)



● Br^-

L13 ANSWER 21 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1999:355754 CAPLUS
DN 131:18016
TI Treatment of cancer using cytokine-expressing polynucleotides and compositions therefor
IN Horton, Holly; Parker, Suezanne; Manthorpe, Marston; Felgner, Philip
PA Vical, Inc., USA
SO PCT Int. Appl., 188 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9926663	A2	19990603	WO 1998-US24830	19981120
	WO 9926663	A3	20000106		
	W: CA, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2309766	AA	19990603	CA 1998-2309766	19981120
	EP 1032428	A2	20000906	EP 1998-960333	19981120
	EP 1032428	B1	20030618		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2001523480	T2	20011127	JP 2000-521864	19981120
	AT 243045	E	20030715	AT 1998-960333	19981120
	EP 1442750	A1	20040804	EP 2003-12772	19981120
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
PRAI	US 1997-67087P	P	19971120		
	US 1998-79914P	P	19980330		
	US 1998-100820P	P	19980915		
	EP 1998-960333	A3	19981120		
	WO 1998-US24830	W	19981120		

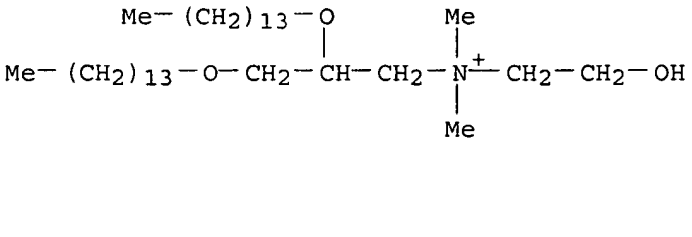
AB The present invention provides a pharmaceutical composition, comprising a non-infectious, non-integrating polynucleotide construct comprising a polynucleotide encoding an interferon ω and one or more cationic compds. The present invention also provides methods of treating cancer in a mammal, comprising administering into a tissue of the mammal a

non-infectious, non-integrating polynucleotide construct comprising a polynucleotide encoding a cytokine. In addition, the present invention also relates to the methodol. for selective transfection of malignant cells with polynucleotides expressing therapeutic or prophylactic mols. in intracavity tumor bearing mammals. More specifically, the present invention provides a methodol. for the suppression of an intra-cavity dissemination of malignant cells, such as i.p. dissemination.

IT **153312-64-2**
RL: PEP (Physical, engineering or chemical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(gene therapy of **cancer** using cytokine-expressing polynucleotides)

RN 153312-64-2 CAPLUS

CN 1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-, bromide (9CI) (CA INDEX NAME)



L13 ANSWER 22 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:118628 CAPLUS

DN 128:167421

TI Preparation of substituted imidazoles having anti-cancer and cytokine inhibitory activity

IN Selnick, Harold G.; Claremon, David A.; Liverton, Nigel J.

PA Merck and Co., Inc., USA

SO U.S., 51 pp.
CODEN: USXXAM

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5717100	A	19980210	US 1996-717955	19960923
	US 6083949	A	20000704	US 1998-13527	19980126
PRAI	US 1995-5059P	P	19951006		
	US 1995-5063P	P	19951006		
	US 1996-717955	A2	19960923		

OS MARPAT 128:167421

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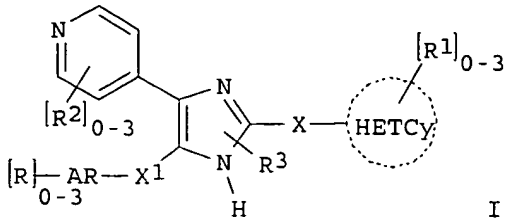

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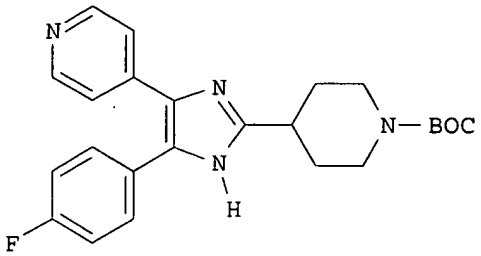


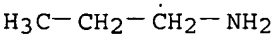
II

AB The title compds. [I; AR = 6-10 membered aryl; X, X1 = (CH2)mY(CH2)n (wherein n, m = 0-4; n + m = 0-6; Y = a direct bond, O, S(O)y, etc.; y = 0-2); HETCy = 4-6 membered non-aromatic heterocyclyl containing only N atom; R, R2 = halo, OH, CONH2, etc.; R1 = OH, CN, CF3, etc.; R3 = H, C1-6 alkyl, etc.], useful for treating cancer, cytokine mediated diseases, inflammation, osteoporosis, bone resorption and Crohn's disease, were prepared Thus, treatment of 4-pyridylcarbinol tert-butyldimethylsilyl ether with BuLi/hexanes and (iPr)2NH in THF followed by addition of 4-fluoro-N,O-dimethyl benzhydroxamide, and reaction of the resulting 1-(4-fluorophenyl)-2-hydroxy-2-pyridin-4-ylethanone tert-butyldimethylsilyl ether with N-tert-butoxycarbonyl-4-piperidinecarbaldehyde in the presence of CuOAc and NH4OAc in AcOH afforded the title compound II. Compds. I are effective in the treatment of cancer at 0.01-100 mg/kg.

IT **107-10-8**, n-Propylamine, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of substituted imidazoles having anti-**cancer** and cytokine inhibitory activity)

RN 107-10-8 CAPLUS

CN 1-Propanamine (9CI) (CA INDEX NAME)



RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 23 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:15295 CAPLUS

DN 128:175861

TI ZR-75-1 human breast cancer cells: expression of inducible nitric oxide synthase and effect of tamoxifen and phorbol ester on nitric oxide production

AU Alalami, O.; Martin, J. H. J.

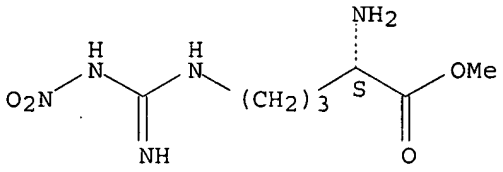
CS School of Health Sciences, Division of Biomedical Sciences, University of Wolverhampton, Wolverhampton, WV1 1DJ, UK

SO Cancer Letters (Shannon, Ireland) (1998), 123(1), 99-105
CODEN: CALEDQ; ISSN: 0304-3835

PB Elsevier Science Ireland Ltd.

DT Journal
LA English
AB The existence of the L-arginine-nitric oxide pathway was investigated in ZR-75-1 human breast cancer cells. The presence of inducible nitric oxide synthase in these cells was confirmed by staining with an anti-iNOS antibody. ZR-75-1 cells spontaneously produced nitric oxide (NO) and this production could be significantly (P<0.001) enhanced by L-arginine (0.01-10 mM) and was inhibited by L-NAME (2 mM). Stimulating the cells with phorbol 12-myristate 13-acetate (PMA) (200-1000 nM) resulted in a significant (P<0.001) increase in NO2- secreted into the medium. Although treatment of the same cells with tamoxifen (10-10-10-6 M) had no effect on NO production, tamoxifen was able to significantly (P<0.001) down-regulate PMA-enhanced nitrite production Our results suggest that tamoxifen could play a role in the biol. of nitric oxide in breast tumors.
IT **50903-99-6**, L-NAME
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(inducible nitric oxide synthase expression and tamoxifen and phorbol ester effect on nitric oxide production in ZR-75-1 human breast **cancer** cells)
RN 50903-99-6 CAPLUS
CN L-Ornithine, N5-[imino(nitroamino)methyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 24 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1997:669279 CAPLUS
DN 127:326078
TI NG-nitro-L-arginine methyl ester inhibits bone metastasis after modified intracardiac injection of human breast cancer cells in a nude mouse model
AU Iwasaki, Teruo; Higashiyama, Masahiko; Kuriyama, Keiko; Sasaki, Akira; Mukai, Mutsuko; Shinkai, Kiyoko; Horai, Takeshi; Matsuda, Hikaru; Akedo, Hitoshi
CS Department of Tumor Biochemistry, Osaka Medical Center for Cancer and Cardiovascular Diseases (formerly The Center for Adult Diseases, Osaka), Osaka, 537, Japan
SO Japanese Journal of Cancer Research (1997), 88(9), 861-866
CODEN: JJCREP; ISSN: 0910-5050
PB Japanese Cancer Association
DT Journal
LA English
AB We investigated the effects of NG-nitro-L-arginine-Me ester (L-NAME), a nitric oxide synthase (NOS) inhibitor, on bone metastasis of human breast cancer, MDA-231 cells. Tumor cells (2+105 cells in 0.2 mL of phosphate-buffered saline; PBS) were injected through the diaphragm into the left ventricle of the heart of laparotomized nude mice (male 5-wk-old ICR-nu/nu). L-NAME (2 mg/mouse/injection in 0.1 mL of PBS) was given i.p. to mice 6 h and 3 h before and immediately, 3 h, 6 h, 18 h and 21 h after the intracardiac injection of tumor cells. As a control, 0.1 mL of PBS was injected instead of L-NAME. The effect of NG-nitro-D-arginine-Me ester (D-NAME; 2 mg/mouse/injection), an inactive analog of L-NAME, was also investigated to evaluate the specificity of L-NAME action. Radiog. examination 31 days after the tumor-cell injection showed that the incidence

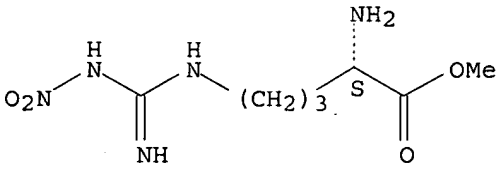
and number of osteolytic bone metastases and the number of bones with metastasis
in L-NAME-treated mice were significantly reduced compared with those in PBS-treated mice ($P<0.05$). The differences between PBS-treated and D-NAME-treated mice were not significant. Our findings suggest that specific and appropriate NOS inhibitors may represent a new pharmacol. approach to therapy for cancer patients at risk of developing osteolytic bone metastases.

IT **50903-99-6**, L-NAME
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(L-NAME inhibits bone metastasis of human breast **cancer**)

RN 50903-99-6 CAPLUS

CN L-Ornithine, N5-[imino(nitroamino)methyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 25 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:351075 CAPLUS

DN 126:317379

TI Substituted imidazoles having anti-cancer and cytokine inhibitory activity

IN Selnick, Harold G.; Claremon, David A.; Liverton, Nigel J.

PA Merck and Co. Inc., USA; Selnick, Harold G.; Claremon, David A.; Liverton, Nigel J.

SO PCT Int. Appl., 137 pp.
CODEN: PIXXD2

DT Patent

LA English

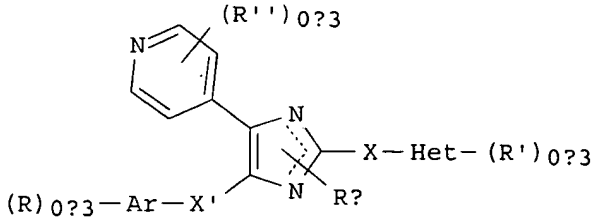
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9712876	A1	19970410	WO 1996-US15880	19961002
	W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2234066	AA	19970410	CA 1996-2234066	19961002
	CA 2234066	C	20051213		
	AU 9675143	A1	19970428	AU 1996-75143	19961002
	AU 702146	B2	19990211		
	EP 854870	A1	19980729	EP 1996-937654	19961002
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	CN 1203590	A	19981230	CN 1996-198718	19961002
	CN 1117082	B	20030806		
	JP 11514353	T2	19991207	JP 1996-514428	19961002
	IL 123950	A1	20010430	IL 1996-123950	19961002
	SK 282496	B6	20020205	SK 1998-435	19961002
	EE 3681	B1	20020415	EE 1998-83	19961002
	PL 184819	B1	20021231	PL 1996-326025	19961002
	JP 3382951	B2	20030304	JP 1997-514428	19961002

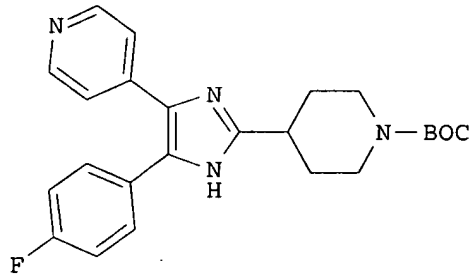
	CZ 292707	B6	20031112	CZ 1998-1043	19961002
	NO 9801528	A	19980605	NO 1998-1528	19980403
PRAI	US 1995-5059P	P	19951006		
	US 1995-5063P	P	19951006		
	GB 1996-2907	A	19960213		
	GB 1996-2975	A	19960213		
	WO 1996-US15880	W	19961002		

OS MARPAT 126:317379

GI



I



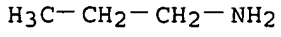
II

AB Compds. of formula I and their pharmaceutically acceptable salts are disclosed [wherein Ar = aromatic group containing 6-10 atoms; X, X' = (CH2)mY(CH2)n; m, n = 0-4; (m+n) = 0-6; Y = bond, O, S, SO, SO2, CO, OCO, COO, NH, CONH, etc.; Het = 4- to 10-membered non-aromatic heterocycle containing ≥ 1 N atom plus 0-2 addition N and 0-1 O or S atoms; Rx = H, (un)substituted alkyl, alkoxy, or alkanoyl; R, R'' = halo, OH, (un)substituted alkyl or NH2, CF3, SH, NO2, (hetero)aryl, etc.; R' = OH, (un)substituted alkyl, heterocyclyl, amino, (hetero)aryl, etc.]. A pharmaceutical composition is also included, as are methods of treating cancer and cytokine-mediated diseases. A total of 27 synthetic examples are given, and approx. 50 invention compds. are described and/or claimed. For instance, 4-Pyr-CH2O-TBDMS [4-Pyr = 4-pyridyl, TBDMS = SiMe2Bu-tert] in THF was treated with LDA and then with 4-FC6H4CONMeOMe to give 4-Pyr-CH(O-TBDMS)COC6H4F-4. This compound underwent cyclocondensation with N-(tert-butoxycarbonyl)piperidine-4-carboxaldehyde and NH4OAc in the presence of Cu(OAc)2 to give title compound II. In an in vitro test for Ras kinase activity, I had IC50 values in the range of 0.001 mM to 1.5 mM (no specific data).

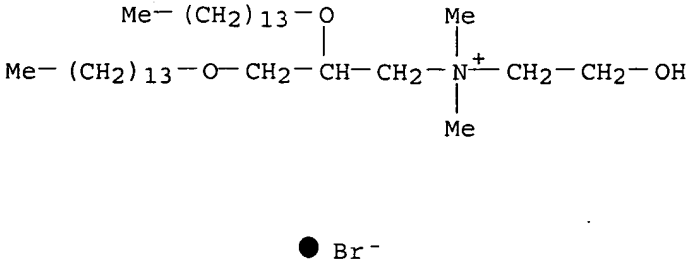
IT **107-10-8**, 1-Propylamine, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; preparation of substituted imidazoles with anti-**cancer** and cytokine inhibitory activity)

RN 107-10-8 CAPLUS

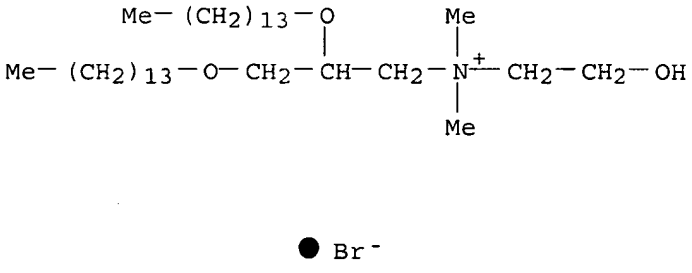
CN 1-Propanamine (9CI) (CA INDEX NAME)



L13 ANSWER 26 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1996:654418 CAPLUS
DN 125:338808
TI A new cationic liposome DNA complex enhances the efficiency of arterial gene transfer in vivo
AU Stephan, Dominique J.; Yang, Zhi-Yong; San, Hong; Simari, Robert D.; Wheeler, Carl J.; Felgner, Philip L.; Gordon, David; Nabel, Gary J.; Nabel, Elizabeth G.
CS Department Internal Medicine, University Michigan, Ann Arbor, MI, 48109-0644, USA
SO Human Gene Therapy (1996), 7(15), 1803-1812
CODEN: HGTHE3; ISSN: 1043-0342
PB Liebert
DT Journal
LA English
AB An important goal of gene therapy for cardiovascular diseases and cancer is the development of effective vectors for catheter-based gene delivery. Although adenoviral vectors have proven effective for this purpose in animal models, the ability to achieve comparable gene transfer with nonviral vectors would provide potentially desirable safety and toxicity features for clin. studies. In this report, we describe the use of a new cationic DNA-liposome complex using an improved expression vector and lipid, N-(3-aminopropyl)-N,N-dimethyl-2,3-bis(dodecyloxy)-1-propaniminium bromide/dioleoyl phosphatidylethanolamine (GAP-DL-RIE/DOPE) to optimize catheter-mediated gene transfer in porcine arteries. The efficiency of this vector was compared to DNA alone, DNA with a previously described cationic liposome complex, (±)-N-(2-hydroxyethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-1-propanaminium bromide (DMRIE/DOPE), and a replication-defective adenoviral vector in a porcine artery gene transfer model. When used in optimal ratios, GAP-DL-RIE/DOPE liposomes provided a 15-fold higher level of gene expression in arteries compared to DNA alone or DMRIE/DOPE. Gene expression was observed in intimal and medial cells. However, when compared to adenoviral vectors (1010 pfu/mL), gene expression following GAP-DL-RIE/DOPE transfection was .apprx.20-fold lower. Following i.v. injection of GAP-DL-RIE/DOPE in mice, biochem., hematol., and histopathol. abnormalities were not observed Significant improvements in the efficacy of arterial gene expression can be achieved by optimization of transfection conditions with DNA-liposome complexes in vivo that may prove useful for arterial gene delivery in cardiovascular diseases and cancer.
IT **153312-64-2**
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cationic liposome/DNA complexes for arterial gene transfer in cardiovascular diseases and **cancer**)
RN 153312-64-2 CAPLUS
CN 1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-, bromide (9CI) (CA INDEX NAME)



L13 ANSWER 27 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1995:645758 CAPLUS
DN 123:102145
TI Cancer gene therapy using plasmid DNA: safety evaluation in rodents and non-human primates
AU Parker, Suezanne E.; Vahlsing, H. Lee; Serfilippi, Laurie M.; Franklin, Craig L.; Doh, Soeun G.; Gromkowski, Stanislaw H.; Lew, Denise; Manthorpe, Marston; Norman, Jon
CS Vical Inc., San Diego, CA, 92121, USA
SO Human Gene Therapy (1995), 6(5), 575-90
CODEN: HGTHE3; ISSN: 1043-0342
DT Journal
LA English
AB To evaluate the safety of a plasmid DNA-lipid complex, a series of good laboratory practice (GLP) safety studies were conducted with VCL-1005, a plasmid DNA expression vector containing both the human class I MHC HLA-B7 heavy-chain and the β2-microglobulin (β2m) light-chain genes formulated with the cationic lipid, DMRIE/DOPE. In mice, the repeated i.v. injection of VCL-1005 at plasmid DNA doses of 0.1, 1.0, or 10 μg for 14 days had only incidental effects on clin. chemical and hematol., and did not result in any organ pathol. Repeated intrahepatic injections of VCL-1005 in mice did not result in significant liver histopathol. or significant alterations in liver enzymes. In cynomolgus monkeys, the repeated i.v. administration of VCL-1005 at a cumulative dose of 720 μg of DNA had no effects on clin. chemical, hematol., or organ pathol. Thus, systemic administration of a plasmid DNA expression vector containing the coding sequence for a foreign MHC class I mol. did not result in significant toxicity or a pathol. immune response in animals. These results suggest that the direct transfer of VCL-1005, a plasmid DNA-lipid complex, could be used for the safe in vivo delivery of recombinant DNA for a cancer gene therapy trial.
IT **153312-64-2D**, complexes with plasmid DNA
RL: ADV (Adverse effect, including toxicity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(safety evaluation in rodents and non-human primates for **cancer** gene therapy using plregasmid DNA-lipid complex)
RN 153312-64-2 CAPLUS
CN 1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-, bromide (9CI) (CA INDEX NAME)

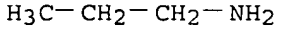


L13 ANSWER 28 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1995:354446 CAPLUS
DN 122:133867
TI Preparation of peptide derivatives as cancer metastasis inhibitors
IN Mori, Hideto; Komazawa, Hiroyuki; Kojima, Masayoshi; Saiki, Ikuo; Azuma, Ichiro
PA Fuji Photo Film Co Ltd, Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DT Patent

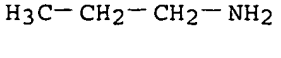
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06321987	A2	19941122	JP 1993-111717	19930513
PRAI	JP 1993-111717		19930513		

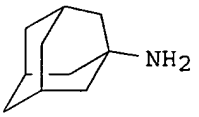
OS MARPAT 122:133867
AB Z:C(X-Tyr-Ile-Gly-Ser-Arg-Y)2 (I; X = absent, Glu, Asp; Y = OH, NR1R2; wherein R1, R2 = H, C1-8 alkyl or NR1R2 forms a ring; Z = O, S) and pharmacol. acceptable salts thereof, which are related to the cell-adhesion core sequence (Tyr-Ile-Gly-Ser-Arg) of cell-adhesion protein laminin, sufficiently maintain cell adhesion protein-like activity, and show high stability in blood, are prepared A cancer metastasis inhibitor contains the peptide I or pharmacol. acceptable salt thereof. Thus, I (Z = O, X = Asp, Y = NHPr) was prepared by the solution method and in vivo decreased the colony formation of B16-BL6 melanoma cells in lungs of mice from 238±84 (no colonies in control animal) to 76±30 vs. 155±72 for H-Tyr-Ile-Gly-Ser-Arg-NH2.
IT **107-10-8**, Propylamine, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction in preparation of peptide derivs. related to cell-adhesion core sequence of laminin as **cancer** metastasis inhibitors)
RN 107-10-8 CAPLUS
CN 1-Propanamine (9CI) (CA INDEX NAME)



L13 ANSWER 29 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1992:549670 CAPLUS
DN 117:149670
TI Increased exposure to dietary amines and nitrate in a population at high risk of esophageal and gastric cancer in Kashmir (India)
AU Siddiqi, Maqsood; Kumar, Rajiv; Fazili, Zia; Spiegelhalder, Bertold; Preussmann, Rudolf
CS Dep. Biochem., Univ. Kashmir, Srinagar, India
SO Carcinogenesis (1992), 13(8), 1331-1335
CODEN: CRNGDP; ISSN: 0143-3334
DT Journal
LA English
AB Anal. data on aliphatic amines and nitrate from the most commonly used fresh and sun-dried vegetables, red chilies and a widely consumed beverage, salted tea, are presented from a high risk area for esophageal and gastric cancer in Kashmir. Exposure ests. for the adult population show that high consumption of boiled Brassica vegetables leads to a high nitrate intake of 237 mg/day. The frequent consumption of hot salted tea results in exceptionally high exposure to methylamine (1200 μg/day), ethylamine (14,320 μg/day), dimethylamine (150 μg/day) and diethylamine (400 μg/day). The indiscriminate use of red chilies in the area leads to exposure to dimethylamine (280 μg/day), pyrrolidine (517 μg/day) and methylbenzylamine (40 μg/day). This is the first report where a chronic exposure to methylbenzylamine has been shown in a population at high risk of esophageal cancer.
IT **107-10-8**, Propylamine, biological studies
RL: OCCU (Occurrence)
(of food, of Kashmir, **cancer** in relation to)
RN 107-10-8 CAPLUS
CN 1-Propanamine (9CI) (CA INDEX NAME)



L13 ANSWER 30 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1978:610125 CAPLUS
DN 89:210125
TI N-nitroso compounds from the reaction of primary amines with nitrite and thiocyanate
AU Tannenbaum, S. R.; Wishnok, J. S.; Hovis, J. S.; Bishop, W. W.
CS Dep. Nutr. Food Sci., Massachusetts Inst. Technol., Cambridge, MA, USA
SO IARC Scientific Publications (1978), 19(Environ. Aspects N-Nitroso Compd.), 155-9
CODEN: IARCCD; ISSN: 0300-5038
DT Journal
LA English
GI



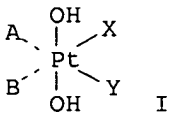
I

AB 1-Adamantylamine (I) [768-94-5], 2-adamantylamine [13074-39-0], aniline [62-53-3], butylamine [109-73-9], 2-octylamine [693-16-3], and propylamine [107-10-8] reacted with NaNO2 to give products detectable by a thermal energy analyzer (TEA) after gas chromatog. implying N-nitroso derivs. may have been formed. KSCN [333-20-0] enhanced the reaction and led to the formation of other TEA-pos. products. Butylamine was converted to N-nitrosodibutylamine [924-16-3] and N-nitrosobutylcyanamide [68217-73-2] during the KSCN-catalyzed nitrosation. N-nitrosotriazenes apparently resulted when butylamine and 2-adamantylamine were employed in the reaction. Since both nitrate and thiocyanate are present in human saliva and primary amines are widely distributed in foods these reactions are of potential significance in human **cancer**.

L13 ANSWER 31 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1978:99314 CAPLUS
DN 88:99314
TI Platinum-containing materials useful in treating malignant tumors
IN Tobe, Martin Leslie; Khokhar, Abdul Rauf; Braddock, Peter David Michael
PA Rustenburg Platinum Mines Ltd., S. Afr.
SO Ger. Offen., 21 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2715492	A1	19771020	DE 1977-2715492	19770406
	DE 2715492	C2	19890914		
	GB 1585103	A	19810225	GB 1976-13888	19760406
	ZA 7702020	A	19781227	ZA 1977-2020	19770404
	NL 7703752	A	19771010	NL 1977-3752	19770405
	FR 2347378	A1	19771104	FR 1977-10204	19770405
	FR 2347378	B1	19810320		
	US 4119653	A	19781010	US 1977-784797	19770405
	BE 853296	A1	19770801	BE 1977-176461	19770406
	JP 52156821	A2	19771227	JP 1977-39902	19770406
	JP 63020805	B4	19880430		
	CH 631431	A	19820813	CH 1977-4362	19770406
	US 4182724	A	19800108	US 1978-934990	19780818
	CH 633961	A	19830114	CH 1981-1393	19810302
PRAI	GB 1976-13888	A	19760406		

US 1977-784797 A1 19770405
CH 1977-4362 A 19770406
OS MARPAT 88:99314
GI



I

AB Pt compds. I (A, B = aliphatic amine or NH3; X, Y = halogen or similar group) are useful for treatment of **cancer** and malignant tumors. For example, I(A = B = NH3; X = Y = Cl) [31246-66-9], administered i.p. (12 mg/kg in peanut oil) to mice bearing ADJ/PC6 tumors, caused 95.4% inhibition of the tumors; the compound had a LD50 of 135 mg/kg. To prepare the compds., e.g. 50 g K2PtCl4 in 500 mL water was mixed with 79 g KI in 200 mL water, followed by 21.5 mL propylamine [**107-10-8**]. The precipitated PtI2(PrNH2)2 was mixed with AgNO3 solution, the precipitated AgI was removed, and the solution treated with concentrated HCl to precipitate cis-PtCl2(PrNH2)2 [21562-98-1]. Passing Cl2 through a suspension of this compound at 70° converted it to cis-PtCl4(PrNH2)2 [65634-66-4], which was further converted with H2O2 to cis-PtCl2(OH)2(PrNH2)2 [65613-29-8].

=>

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NEWS 4	JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 5	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS 6	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS 7	JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS 8	JAN 30	Saved answer limit increased
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NEWS 10	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS 11	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS 12	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 13	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS 14	FEB 28	TOXCENTER reloaded with enhancements
NEWS 15	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS 16	MAR 01	INSPEC reloaded and enhanced
NEWS 17	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 18	MAR 08	X.25 communication option no longer available after June 2006
NEWS 19	MAR 22	EMBASE is now updated on a daily basis
NEWS 20	APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 21	APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS 22	APR 04	STN AnaVist $500 visualization usage credit offered
NEWS 23	APR 12	LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS 24	APR 12	Improved structure highlighting in FQHIT and QHIT display in MARPAT
NEWS 25	APR 12	Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT http://download.cas.org/express/v8.0-Discover/

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If you provide us with your name, login ID, and e-mail address, you

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Thank you in advance for your participation.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 16:54:48 ON 09 MAY 2006

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 16:55:07 ON 09 MAY 2006
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FILE COVERS 1907 - 9 May 2006 VOL 144 ISS 20
FILE LAST UPDATED: 8 May 2006 (20060508/ED)

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=> s us 2004-0171572/pn
L1 1 US 2004-0171572/PN
(US2004171572/PN)

=> sel rn
E1 THROUGH E30 ASSIGNED

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.49	2.70

FILE 'REGISTRY' ENTERED AT 16:55:24 ON 09 MAY 2006
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STRUCTURE FILE UPDATES: 8 MAY 2006 HIGHEST RN 883439-06-3
DICTIONARY FILE UPDATES: 8 MAY 2006 HIGHEST RN 883439-06-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
****

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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1 107-10-8/BI
(107-10-8/RN)
1 111333-96-1/BI
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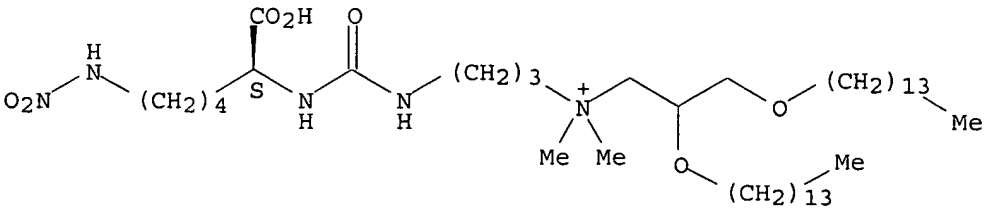
=> d 1-30

L2 ANSWER 1 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-64-9** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N-[3-[[[[(1S)-1-carboxy-5-(nitroamino)pentyl]amino]carbonyl]amino]propyl]-N,N-dimethyl-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C43 H88 N5 O7
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

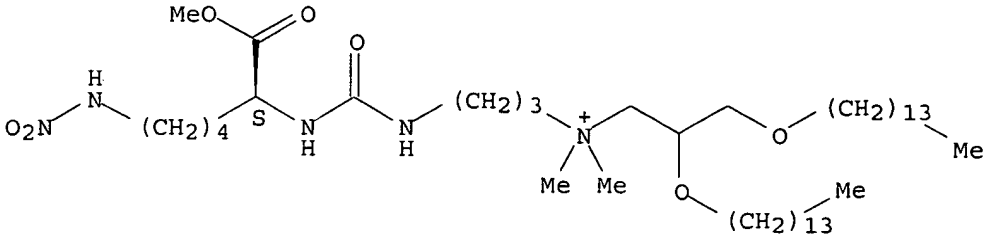


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-61-6** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N-[3-[[[[(1S)-1-(methoxycarbonyl)-5-(nitroamino)pentyl]amino]carbonyl]amino]propyl]-N,N-dimethyl-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH

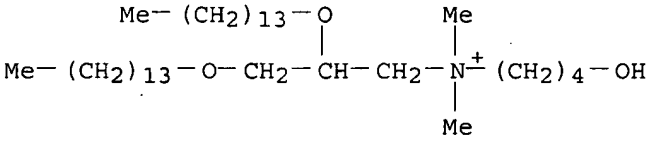
MF C44 H90 N5 O7
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



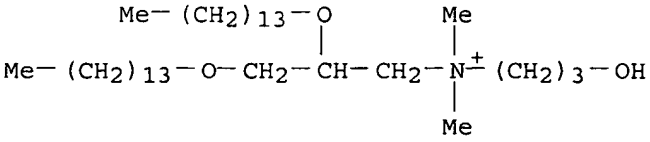
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-58-1** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Butanaminium, N-[2,3-bis(tetradecyloxy)propyl]-4-hydroxy-N,N-dimethyl-
(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H78 N O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

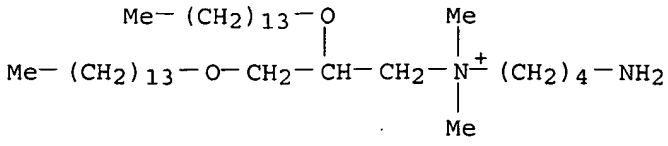
L2 ANSWER 4 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-56-9** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N-(3-hydroxypropyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-
(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C36 H76 N O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

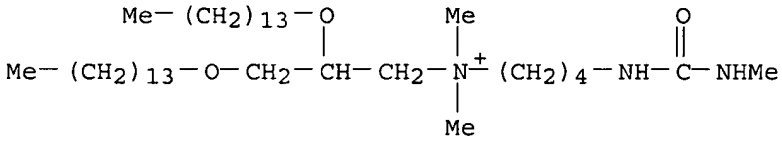
L2 ANSWER 5 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-53-6** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Butanaminium, 4-amino-N-[2,3-bis(tetradecyloxy)propyl]-N,N-dimethyl-

(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H79 N2 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



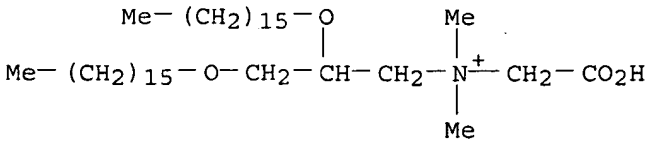
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 6 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-52-5** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Butanaminium, N-[2,3-bis(tetradecyloxy)propyl]-N,N-dimethyl-4-[[(methylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C39 H82 N3 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

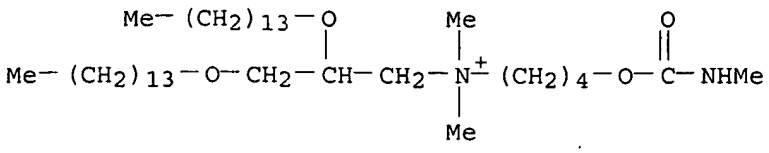
L2 ANSWER 7 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-51-4** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N-(carboxymethyl)-2,3-bis(hexadecyloxy)-N,N-dimethyl-(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C39 H80 N O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

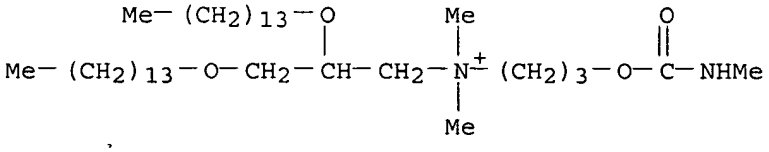
L2 ANSWER 8 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-50-3** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Butanaminium, N-[2,3-bis(tetradecyloxy)propyl]-N,N-dimethyl-4-[[(methylamino)carbonyl]oxy]- (9CI) (CA INDEX NAME)
FS 3D CONCORD

MF C39 H81 N2 O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

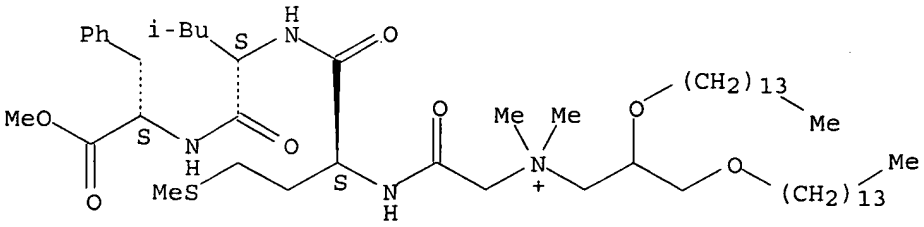
L2 ANSWER 9 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-49-0** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N,N-dimethyl-N-[3-[[(methylamino)carbonyl]oxy]propyl]-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C38 H79 N2 O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 10 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-48-9** REGISTRY
ED Entered STN: 16 Jan 2004
CN L-Phenylalanine, N-[[[2,3-bis(tetradecyloxy)propyl]dimethylammonio]acetyl]-L-methionyl-L-leucyl-, methyl ester (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C56 H103 N4 O7 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

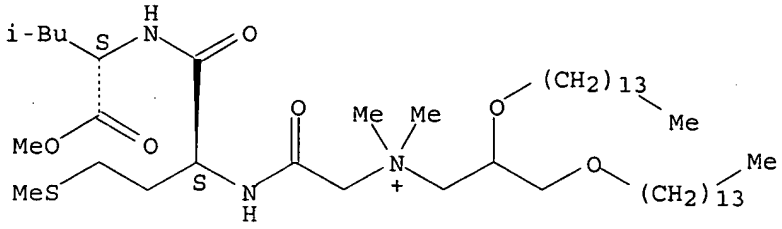


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 11 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-47-8** REGISTRY
ED Entered STN: 16 Jan 2004
CN L-Leucine, N-[[[2,3-bis(tetradecyloxy)propyl]dimethylammonio]acetyl]-L-

methionyl-, methyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C47 H94 N3 O6 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

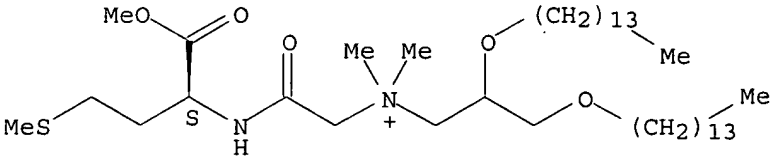
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 12 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-46-7** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N-[2-[[(1S)-1-(methoxycarbonyl)-3-(methylthio)propyl]amino]-2-oxoethyl]-N,N-dimethyl-2,3-bis(tetradecyloxy)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C41 H83 N2 O5 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

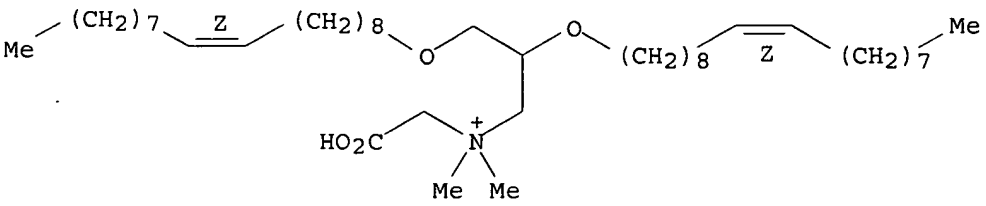
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

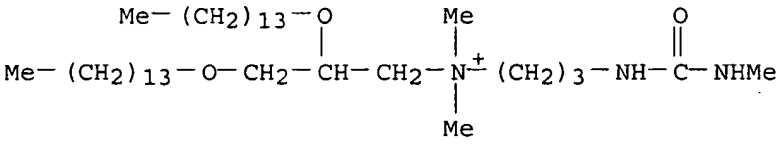
L2 ANSWER 13 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **638195-45-6** REGISTRY
ED Entered STN: 16 Jan 2004
CN 1-Propanaminium, N-(carboxymethyl)-N,N-dimethyl-2,3-bis[(9Z)-9-octadecenyloxy]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C43 H84 N O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Double bond geometry as shown.



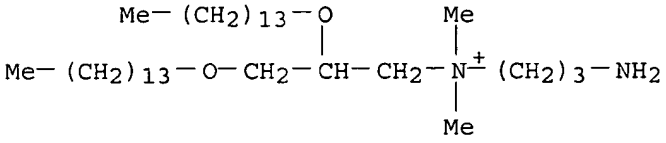
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 14 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191981-18-7** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N,N-dimethyl-N-[3-[[(methylamino)carbonyl]amino]propyl]-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C38 H80 N3 O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 15 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-83-3** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N-(3-aminopropyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C36 H77 N2 O2
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 16 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-79-7** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N-(2-aminoethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-(9CI) (CA INDEX NAME)
FS 3D CONCORD
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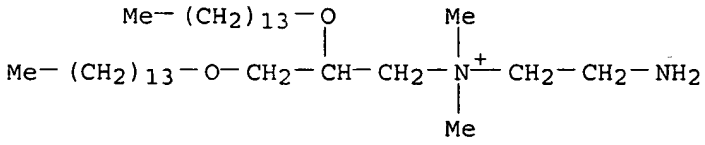
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

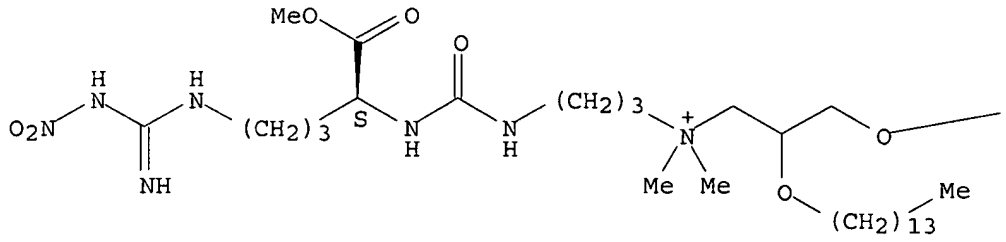


2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

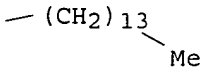
L2 ANSWER 17 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-78-6** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N-[3-[[[[(1S)-4-[[imino(nitroamino)methyl]amino]-1-(methoxycarbonyl)butyl]amino]carbonyl]amino]propyl]-N,N-dimethyl-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Propanaminium, N-[3-[[[[4-[[imino(nitroamino)methyl]amino]-1-(methoxycarbonyl)butyl]amino]carbonyl]amino]propyl]-N,N-dimethyl-2,3-bis(tetradecyloxy)-, (1S)-
FS STEREOSEARCH
MF C44 H90 N7 O7
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

PAGE 1-A

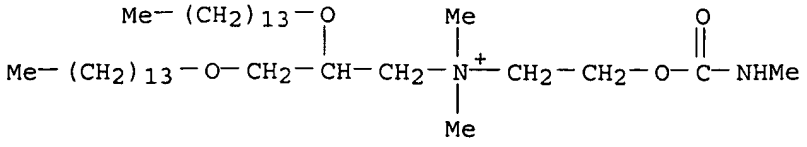


PAGE 1-B



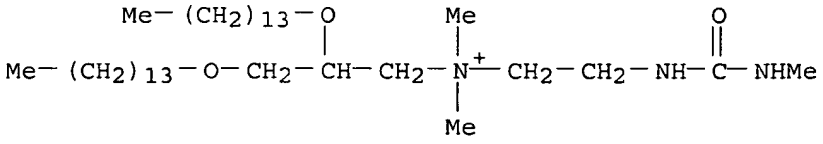
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 18 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-77-5** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N,N-dimethyl-N-[2-[[(methylamino)carbonyl]oxy]ethyl]-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H77 N2 O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



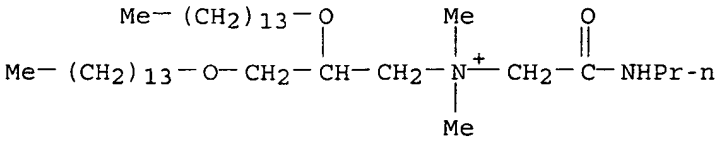
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 19 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-76-4** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N,N-dimethyl-N-[2-[[(methylamino)carbonyl]amino]ethyl]-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H78 N3 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



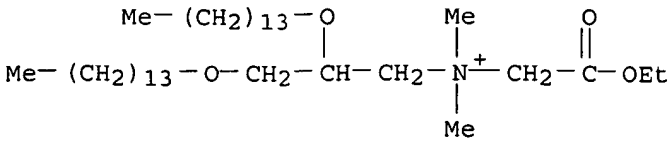
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 20 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-74-2** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N,N-dimethyl-N-[2-oxo-2-(propylamino)ethyl]-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C38 H79 N2 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



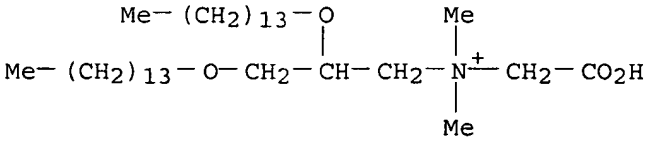
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 21 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-72-0** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N-(2-ethoxy-2-oxoethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H76 N O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



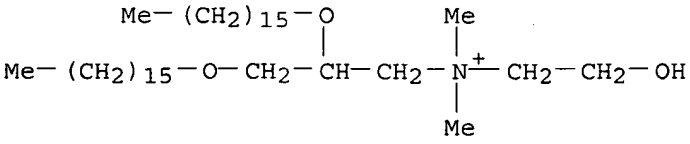
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 22 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **191980-70-8** REGISTRY
ED Entered STN: 01 Aug 1997
CN 1-Propanaminium, N-(carboxymethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C35 H72 N O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

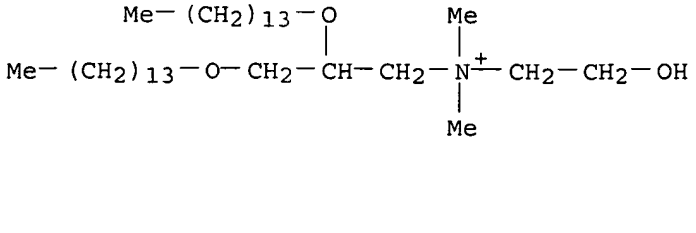
L2 ANSWER 23 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **153312-65-3** REGISTRY
ED Entered STN: 25 Feb 1994
CN 1-Propanaminium, 2,3-bis(hexadecyloxy)-N-(2-hydroxyethyl)-N,N-dimethyl-, bromide (9CI) (CA INDEX NAME)
MF C39 H82 N O3 . Br
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (153985-20-7)



3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 24 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **153312-64-2** REGISTRY
ED Entered STN: 25 Feb 1994
CN 1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-2,3-bis(tetradecyloxy)-, bromide (9CI) (CA INDEX NAME)
OTHER NAMES:
CN DMRIE
CN N-[1-(2,3-Ditetradecyloxy)propyl]-N,N-dimethyl-N-hydroxyethylammonium

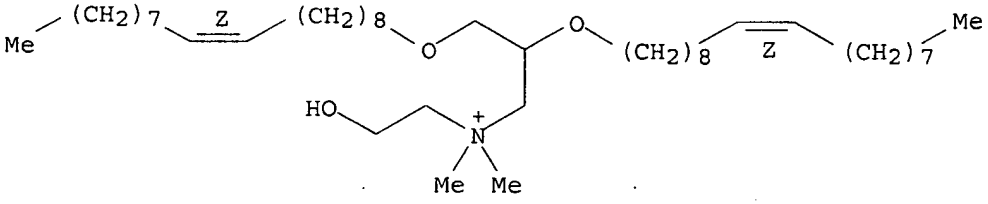
bromide
DR 146659-77-0
MF C35 H74 N O3 . Br
CI COM
SR CA
LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, IPA, MEDLINE, TOXCENTER, USPAT2, USPATFULL
CRN (191980-81-1)



145 REFERENCES IN FILE CA (1907 TO DATE)
7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
145 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 25 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **153312-60-8** REGISTRY
ED Entered STN: 25 Feb 1994
CN 1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-2,3-bis[(9Z)-9-octadecenyloxy]-, bromide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-2,3-bis(9-octadecenyloxy)-, bromide, (Z,Z)-
OTHER NAMES:
CN DORIE
FS STEREOSEARCH
MF C43 H86 N O3 . Br
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (153985-18-3)

Double bond geometry as shown.

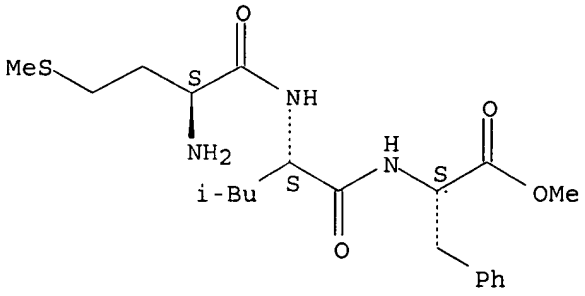


10 REFERENCES IN FILE CA (1907 TO DATE)
10 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 26 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **111333-96-1** REGISTRY
ED Entered STN: 14 Nov 1987
CN L-Phenylalanine, L-methionyl-L-leucyl-, methyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:

CN L-Phenylalanine, N-(N-L-methionyl-L-leucyl)-, methyl ester
FS STEREOSEARCH
MF C21 H33 N3 O4 S
CI COM
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.

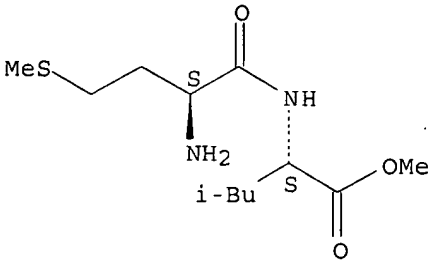


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 27 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **54793-75-8** REGISTRY
ED Entered STN: 16 Nov 1984
CN L-Leucine, L-methionyl-, methyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN L-Leucine, N-L-methionyl-, methyl ester
FS STEREOSEARCH
MF C12 H24 N2 O3 S
CI COM
LC STN Files: BEILSTEIN*, CA, CAPLUS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



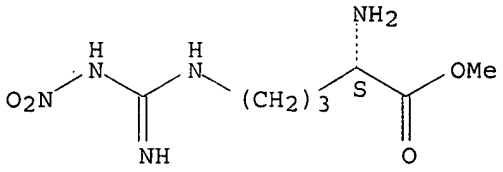
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 28 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **50903-99-6** REGISTRY
ED Entered STN: 16 Nov 1984
CN L-Ornithine, N5-[imino(nitroamino)methyl]-, methyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:

CN L-NAME
CN L-NAME
CN N-Nitro-L-arginine methyl ester
CN Nω-Nitro-L-arginine methyl ester
CN Nω-Nitro-L-arginine methyl ester
CN NAME
CN NG-Nitro-L-arginine Me ester
CN NG-Nitro-L-arginine methyl ester
FS STEREOSEARCH
DR 162715-84-6, 126265-24-5, 189639-12-1
MF C7 H15 N5 O4
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CHEMCATS, CIN, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, PROMT, PROUSDDR, RTECS*, SCISEARCH, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.

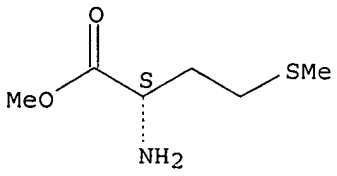


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1982 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1987 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 29 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **10332-17-9** REGISTRY
ED Entered STN: 16 Nov 1984
CN L-Methionine, methyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Methionine, methyl ester, L- (6CI, 7CI, 8CI)
OTHER NAMES:
CN (+)-L-Methionine methyl ester
CN L-Methionine O-methyl ester
CN Methionine methyl ester
CN Methyl L-methioninate
CN Methyl methioninate
CN O-Methyl-L-methionine
FS STEREOSEARCH
DR 10331-68-7, 44898-04-6
MF C6 H13 N O2 S
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, DDFU, DRUGU, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

373 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
374 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 30 OF 30 REGISTRY COPYRIGHT 2006 ACS on STN
RN **107-10-8** REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propanamine (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Propylamine (8CI)
OTHER NAMES:
CN 1-Aminopropane
CN 1-Propylamine
CN Mono-n-propylamine
CN Monopropylamine
CN n-Propylamine
CN NSC 7490
CN Propan-1-ylamine
FS 3D CONCORD
DR 42939-71-9
MF C3 H9 N
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, MRCK*, MSDS-OHS, NAPRALERT, PDLCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

$H_3C-CH_2-CH_2-NH_2$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8880 REFERENCES IN FILE CA (1907 TO DATE)
538 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
8907 REFERENCES IN FILE CAPLUS (1907 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	57.88	60.58

FILE 'CAPLUS' ENTERED AT 16:56:53 ON 09 MAY 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 9 May 2006 VOL 144 ISS 20
FILE LAST UPDATED: 8 May 2006 (20060508/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

```
=> s 146659-77-0/rn
             0 146659-77-0
             0 146659-77-0D
L3           0 146659-77-0/RN
                 (146659-77-0 (NOTL) 146659-77-0D )

=> s 146659-77-0/dr
'DR' IS NOT A VALID FIELD CODE
L4           0 146659-77-0/DR

=> s 146659-77-0/rn
             0 146659-77-0
             0 146659-77-0D
L5           0 146659-77-0/RN
                 (146659-77-0 (NOTL) 146659-77-0D )

=>

---Logging off of STN---


=>
Executing the logoff script...


=> LOG Y
```

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.72	69.30

STN INTERNATIONAL LOGOFF AT 16:57:58 ON 09 MAY 2006